

CLAIMS

1. A feed unit for feeding fuel out of a fuel tank of a motor vehicle, having a
5 baffle (4) which has a first chamber for collecting fuel, having a fuel pump for sucking
up fuel and having a fuel-pump suction opening arranged in the vicinity of the bottom
of the first chamber of the baffle, characterized in that a second chamber (13) is
connected to the first chamber (7) via a valve (14), and in that the valve (14) is a
throttle valve, with the volumetric flow of fuel that is restricted by the valve (14) being
10 smaller than the volumetric flow fed by the fuel pump (5).
2. The feed unit as claimed in claim 1, characterized in that the second chamber
(13) is manufactured integrally with the baffle (4).
- 15 3. The feed unit as claimed in claim 1 or 2, characterized in that the chambers (7,
13) are arranged at the same height.
4. The feed unit as defined in claim 1, wherein the valve (14) is arranged in a
common wall (12) of the first chamber (7) and of the second chamber (13).
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5. The feed unit as defined in claim 1 or 3, wherein the second chamber (13) is
designed as an annular chamber surrounding the first chamber (7).
6. The feed unit as defined in claim 1 or 6, wherein the second chamber (13) is
25 arranged within the baffle (4) and the common wall (12) between the first chamber (7)
and the second chamber (13) is lower than an outer wall (15) of the baffle (4).
7. The feed unit as defined in claim 1 or 6, wherein the valve (14) is designed as
an opening with a designated cross section.
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8. The feed unit as defined in claim 1, wherein the valve (14) throttles the
volumetric flow, which flows from the second chamber (13) into the first chamber (7),
in such a manner that the level is equalized in three to five minutes after the fuel pump
(5) has stopped.
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9. The feed unit as defined in claim 1, wherein the second chamber (13) has a volume of approximately 10-20% of the baffle volume.